

IOWA GEOLOGICAL SURVEY
In Cooperation with U. S. Geological Survey
RECORD OF WELL

W 8352

Location:

Town: BEAMAN (NE)
NW (SW): County GRUNDY
E.
sec. 34 T. 86 N., R. 17 W. Twp.

Well name and number _____

Owner TOWN OF BEAMAN Address _____

Tenant _____ Address _____

Contractor HOEG & AMES Address _____

Drillers _____

Drilling dates MARCH 28-30, 1957

Well data:

Altitudes: Drilling curb _____ feet; Land surface _____ feet

Determined by _____

Topographic position _____

Total depth: Reported 80 feet, Measured _____ feet

Drilling method CABLE TOOLS

Hole and casing data 25' OF 12" PIPE (PULLED OUT)

47' OF 10" PIPE

50' OF 8" PIPE

Original depth to water 22' above
ft. below _____ Date _____

Source of data _____

Sources of water: Principal _____

Others _____

Production Data

Date _____
 Static water level 22 _____
 Measuring point _____
 Pumping water level 33' 2" _____
 Yield (g. p. m.) 196 _____
 Duration of pumping _____
 Specific capacity _____

Pump Data

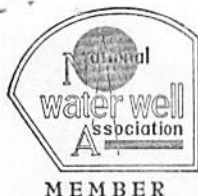
Type pump _____ Column diameter and length _____
 Cylinder or bowls diameter and length _____
 Suction pipe _____ Airline _____
 Power _____ Production _____ g. p. m. for _____ hours per day
 Use of water _____

Dissolved constituents and properties (in parts per million except as indicated)

Date sampled _____
 Sampled by _____
 Silica (SiO₂) _____
 Iron (Fe) _____
 Manganese (Mn) _____
 Calcium (Ca) _____
 Magnesium (Mg) _____
 Potassium (K) _____
 Sodium (Na) _____
 Carbonate (CO₃) _____
 Bicarbonate (HCO₃) _____
 Sulfate (SO₄) _____
 Chloride (Cl) _____
 Fluoride (F) _____
 Nitrate (NO₃) _____
 Dissolved solids _____
 Hardness (as CaCO₃) _____
 Total _____
 Grains per gallon _____
 Noncarbonate _____
 Alkalinity (as CaCO₃) _____
 pH _____
 Specific conductance _____
 (micromhos at 25°C) _____
 Temperature (°F) _____
 Analysis No. _____

Laboratory Data

Well No. **W 8952** Sample range 5-80 No. of samples 14
 No. of dupls. and cond. 14 Good Washed range 50-80
 Samples prepared by V. Dow Date 6/21/57
 Logged by NORTHUP Date 10/7/57
 Correlations by _____ Date 10/7/57



HOEG & AMES, Inc.

WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

LOG OF WELL

APR - 5 1957



Town of Beaman, Iowa

Started drilling the well - March 28, 1957
Finished drilling the well - March 30, 1957

Total depth of well - 80 ft.

Static water level - 22 ft.

Pumping level - 34 ft. - 200 gal. per min.

25 ft. of 12 in. pipe - *PULLED OUT*

47 ft. of 10 in. pipe

50 ft. of 8 in. pipe

Formation:	0-5	Ft.	Black drift
	5-30	Ft.	Yellow clay
	30-40	Ft.	Sand and gravel
	40-44	Ft.	Yellow clay
	44-50	Ft.	Rock and shale
	50-75	Ft.	Good rock
	75-80	Ft.	Blue shale



MEMBER

HOEG & AMES, Inc.

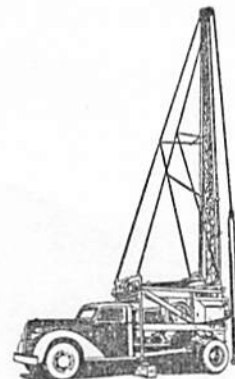
WELL CONTRACTORS

WELL SUPPLIES

☆☆☆

LINCOLN, IOWA

Apr. 1, 1957



Beaman Municipal Well

<u>TIME</u>	<u>DRAWDOWN</u>		<u>PUMPING LEVEL</u>		<u>GAL. PER MIN.</u>	<u>REMARKS</u>
10:30 A.M.			S.W.L. 22 ft.			Started pump
10:40	4 ft. 8 in.		26 ft. 8 in.		120	Water dirty
10:50	4		26		120	
11:05	6	6	28	6	126	
12:00 P.M.	8	8	30	8	140	
12:15	8	10	30	10	140	
12:30	9		31		140	
12:45	9		31		160	
1:00						
2:00	9		31		140	Shut off pump to fix carburetor
2:10						Started pump
2:15	10	8	32	8	196	Water dirty - red color
2:30	11		33			Water clearing
2:45	11	2	33	2		
3:00	11	5	33	5	196	
3:15	11	5	33	5	196	Water almost clear
3:20						Slowed pump down
3:30	5	9	27	9		
3:50	5	6	27	6	100	Clear
4:10	4	11	26	11		
4:30	4	7	26	7		
4:50	4	7	26	7		
5:10	4	5	26	5	100	
5:30	4	5	26	5		Very clear
5:50	4	5	26	4	100	
6:10	4	4	26	4		
6:30	4		26		100	Water sample

Test pump - 3½ in. column, set 65 ft. - Turbine - engine driven.

STATE HYGIENIC LABORATORY
The University of Iowa
Medical Laboratory Building
Iowa City, Iowa 52242
319-353-5990

Lab No. 03226

COMPLETE MINERAL ANALYSIS

Mineral No. 11261

TOWN Beaman COUNTY Grundy

OWNER OF SUPPLY City

COLLECTOR'S NAME Wm. J. Meeker

REPORT TO: Department of Environmental Quality

3920 Delaware

Des Moines, Iowa 50316

Reported FEB 18 1975

Sampled 20 Jan 1975

Received 21 Jan 1975

FIELD DATA

WELL DATA

SOURCE Well

SAMPLING POINT Well tap

NAME OR NUMBER #1

CONSTRUCTION DATE 1957

DEPTH 85'

PUMPED 10 MIN. AT 110 GPM

WAS SAMPLE FREE OF TURBIDITY WHEN COLLECTED _____

TEMPERATURE °C 10 ALKALINITY (mg/1 CaCO₃) P _____ T _____ pH _____

IS A POLYPHOSPHATE BEING USED? No DATE OF PREVIOUS SAMPLES 1970

LABORATORY ANALYSIS (Milligrams per Liter)

Specific Conductance at 25°F 780 Micromhos Silica (SiO₂) 16

Total Residue 471 Soluble Iron (Fe) <0.01

Filtrable Residue 471 Total Iron (Fe) <0.01

Alkalinity as CaCO₃ P NONE T 285 pH 7.5 pHs _____

Hardness as CaCO₃ 404 mg/l 23.6 gpg Stability Index _____

CATIONS

(K+) 11

(Na+) 116

(Ca++) 97

(Mg++) 39

(Mn++) <0.01

ANIONS

(NO₃⁻) 36

(F⁻) 0.3

(Cl⁻) 24

(SO₄⁼) 65

(HCO₃) 348

(CO₃⁼) NONE

(CN⁻) _____

(PO₄⁼) _____

TRACE METALS

As <0.01

Ba <0.1

Cd <0.01

Cr <0.01

Cu <0.01

Pb <0.01

Hg <1100/L

Se _____

Ag <0.01

Zn <0.01

RADIOACTIVITY

(picocuries/L)

Gross Alpha NIL

226 Radium -

Gross Beta 4

90 Strontium -

Other _____

Organics

CCE_m _____

CAE_m _____

MBAS _____

Herbicides _____

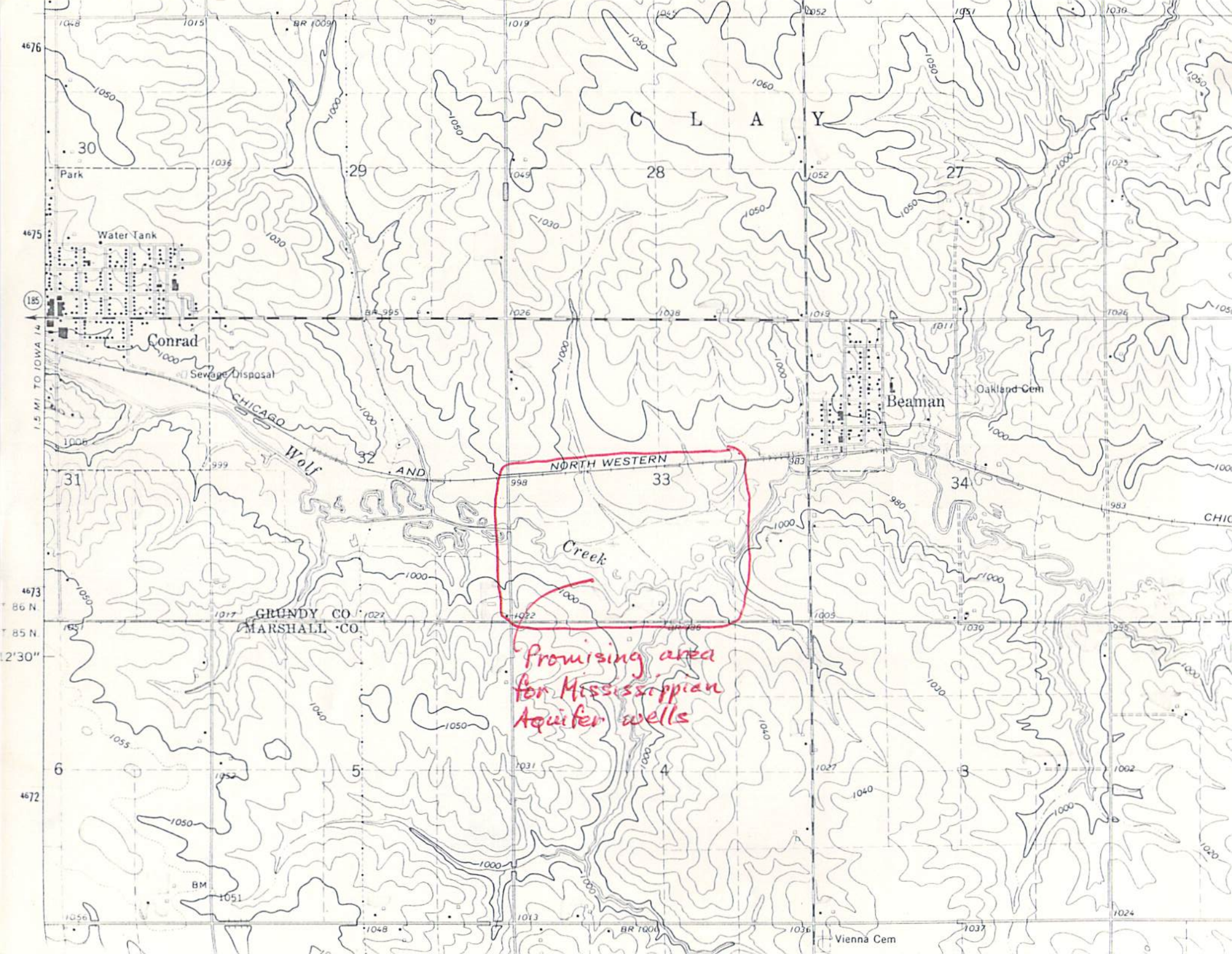
PESTICIDES (mg/L)

Chlorinated Hydrocarbons

Organophosphate & Carbamates

RJ Morris Principal Chemist

W J Hausler Jr, PhD, Director



STATE IOWA		BEAMAN (GRUNDY)	
NW		BEAMAN TOWN WELL (1957)	
SEC. 39			
TWP. 86N	RGE. 17W	COMMENCED MARCH 28-30, 1957	COMPLETED
		HOEG & AMES	
		CASING RECORD 47' OF 10" PIPE	
		5' 0" OF 8" PIPE	
		LOGGED OCT. 7, 1957 BY NORTHUP	
EL 988' TD 80'		REMARKS	
		SWL 22'	
		PL 33' 2"	
		Yield = 196 GPM.	

EM2-9		SOIL BRN, SILTY
PLEIS. 50 CHAPIN 100 MOBILE MILL		TH Yellow, OXIDIZED, LEACHING, SILTY
		GRAVEL, A-2, SD Yellow, C&S, A-2
		GRAVEL, SD, C&S, CLAY
		LS. C&S. OOLITIC
		SLT BG + C&S. Dols; SH GRAYLN GRN, LUMPY
		TO 80'